

5 **AQUEOUS SOLUTION OF**
 PHENOLIC COMPOUND/FORMALDEHYDE/AMINOALCOHOL RESIN,
 PREPARATION PROCESS, COMPOSITION FOR SIZING MINERAL FIBERS
 INCLUDING SAID RESIN AND RESULTING PRODUCTS

10 **Applicant: SAINT-GOBAIN ISOVER**
 Inventor: Serge TETART

15 **ABSTRACT**

 The present invention relates to a liquid resin intended more particularly for
the sizing of mineral fibers which exhibits a dilutability in water at 20°C at least
equal to 1 000% and a level of free formaldehyde preferably of less than 0.4%,
20 expressed as total weight of liquid, this resin being characterized in that it is
composed essentially of condensates obtained from a phenolic compound, from
formaldehyde and from an aminoalcohol according to the Mannich reaction.

 The invention also relates to a sizing composition including said resin, to the
mineral fibers sized by means of this composition and to the products formed from
25 the mineral fibers, in particular for thermal and/or sound insulation.